**Goal 1 Day 7 HW**

**Translating words into Expressions**

**Key words to look for with the phrase**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Addition** | **Subtraction** | **Multiplication** | **Division** | **Equal Sign** |
|  |  |  |  |  |

**Translate the following into an algebraic expression**

Ex. Three more than a number

Ex. Eight less than a number

Ex. Five times the sum of a number and one

Ex. Three less than the product of six and a number

Create your own example that could be represent the following expressions

Ex. 8 + (-11)

Ex. 7(6)

Ex. 246 + 81

**Writing Algebraic Expressions from Word Problems**

Write an algebraic expression for each of the following word problems.

Ex. On Friday you went to the bank and withdrew $80 from the ATM, after the withdrawal your new balance was $265. Write an expression to help you find your balance before the withdrawal.

Ex. Write an expression to represent the following situation, you hike down into a gorge 500 feet and then climb the next hill 720 feet.

Ex. Write an expression to represent the following situation, last night the temperature fell 15 degrees and during the day the temperature rose 10 degrees.